



# Rohan Modi

Roll No.:180123039

Mathematics and Computing

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.08 (Current)	2018-Present
Senior Secondary	ISC	92.2%	2018
Secondary	ICSE	92.5%	2016

## PROJECTS

- Vernacular Signboard Transliteration** July 2020  
*Personal Project* git.io/JJVhy
  - **Deep learning model** for text detection, recognition and transliteration of signboards written in Devanagari script.
  - **Detectron2**, **CRNN** and **Encoder-Decoder** networks are deployed in the model.
- Sudoku Solver** Dec 2019  
*Personal Project* git.io/JJ8me
  - Graphical interface based on **Pygame** to solve sudokus by the backtracking algorithm, that are web scraped using Beautiful Soup.

## TECHNICAL SKILLS

- Programming:** C/C++, Python
  - Web Technologies:** HTML, CSS, Bootstrap
  - Database Management:** MySQL\*
  - Python Modules:** Numpy, Matplotlib, PyTorch, Pandas\*, Pygame
  - Miscellaneous:** Web Scrapping\*, LaTeX
  - Operating Systems:** Linux, Windows
- \* Elementary proficiency

## KEY COURSES TAKEN

- Data Structures and Algorithms
- Computer Organisation and Architecture
- Probability Theory and Random Processes
- Discrete Mathematics
- Deep Learning(Guvi)
- Database Management System
- Digital Design
- Financial Engineering

## POSITIONS OF RESPONSIBILITY

- Event Manager, Technical Board, IIT Guwahati** Apr 2019 - Ongoing
  - Coordinated the events conducted by the clubs and seminars held by the Technical Board.
  - Organized college events including KRITI(Inter-Hostel competition) and TechEvince(Projects Showcasing).
- Organizer, Technothlon, Techniche** July 2019 - August 2019
  - Conducted the event 'All Buzzed Up' to familiarize students with Integrated Circuits.
  - Administered various other events like the Guwahati Half Marathon.

## ACHIEVEMENTS

- **Competitive Programming Platforms:** Achieved the highest rating of **1687** on Codeforces(Rohan039) and **1837** on CodeChef(rohan9331).
- **Codeforces Round 647(Div 2):** Secured **Global Rank 672** among 12044 participants.
- **Codeforces Round 659(Div 2):** Secured **Global Rank 1040** among 10822 participants.
- **CodeChef June Cook-Off 2020 Div 2:** Secured **Global Rank 287** among 6034 participants.
- **Ryan Star Award:** Felicitated for 10-years of all-round excellence in school.

## EXTRACURRICULARS

- **Inter-IIT Tech Meet Roorkee, 2019:** Member of the Inter-IIT Tech Meet contingent.
- **Table Tennis, Spardha, 2020:** Secured 3rd position in the Inter-Hostel competition.
- **Dance, Manthan, 2020:** Part of the Hostel Dance Group.